

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005656 A1

(51) International Patent Classification⁷:

C12Q 1/18

(21) International Application Number:

PCT/EP2004/007293

(22) International Filing Date:

1 July 2004 (01.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03077073.9

2 July 2003 (02.07.2003) EP

(71) Applicant (*for all designated States except US*): DSM IP ASSETS B.V. [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): LANGEVELD, Pieter, Cornelis [NL/NL]; Venuzuelastraat 55, NL-2622 BP Delft (NL).

(74) Agent: MATULEWICZ, Emil, Rudolf, Antonius; DSM Intellectual Property, Delft Office (600-0240), P.O. Box 1, NL-2600 MA Delft (NL).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/005656 A1

(54) Title: IMPROVED METHOD FOR THE DETERMINATION OF THE PRESENCE OF AN ANTIBIOTIC IN A FLUID

(57) Abstract: The present invention provides a method for determining the presence or absence of an antibiotic in a fluid comprising: (a) contacting a fluid sample with a test medium comprising a test microorganism and at least one indicator; (b) incubating the test microorganism with the fluid under conditions whereby growth of the test microorganism occurs if no antibiotic is present in the fluid sample; and (c) detecting any growth or inhibition of growth of the test microorganism as appropriate by means of an indicator, characterized in that the ratio of the volume of said fluid sample to the volume of test medium exceeds 2:3 (0.68:1) (v/v). The invention further provides a kit suitable for determining the presence or absence of an antibiotic in a fluid comprising: (a) at least one container partially filled with a test medium comprising a test microorganism, at least one gelling agent and at least one indicator, and; (b) a device for adding fluid to the test medium, said device having a volume that exceeds a ratio of 2/3 (0.68:1) of the volume of the test medium.